

Product datasheet for **RG224563**

EXOC6B (NM_015189) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC6B (NM_015189) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EXOC6B
Synonyms:	SEC15B; SEC15L2; SEMDJL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG224563 representing NM_015189
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCGGGTAAAGATGGCGGAGCGGAGAGCCTGGAGACAGCGGCAGAGCAGGCGGATCCTGCGAG
 AGATCGAGAGCACTGACACGGCCTGCATCGGGCCACGCTCAGGTCTGTTTATGATGGTGAAGAACATGG
 ACGTTTCATGGAGAAGCTTGAAACTCGTATCCGTAATCACGACCGAGAAATTGAGAAAATGTGCAACTTT
 CATTACCAGGGCTTTGTGGACTCTATACTGAAGTCTGAAAGTGAGAGGAGAAGCCAGAAACTCAAAA
 ATCAAGTGACGGATACTAATAGAAAACACAACATGAGGGAAAGGAACTGGTAATAGCAATGGAAGAGCT
 GAAGCAGTGTGACTACAACAGAGAAATATTTCTGCCACTGTTGATAAATTAATGCTGTCTTCCAGTC
 CTAGAGATGTACAGCAAACTGAGGGACCAGATGAAAACTAAAAGGCATTATCCTGCACTGAAAACTCTGG
 AACATCTAGAGCATACCTACCTGCCTCAAGTAAGCCACTATCGATTCTGCAAGGTGATGGTGACAACAT
 CCCAAGCTTCGAGAAGAAATAAAGATGTTTCTATGTCCGATCTCAAAGACTTTCTGGAGAGCATCCGC
 AAACATTCAGACAAAATTGGAGAGACTGCCATGAAGCAAGCCAGCAGCAAGAAACCTGGATAACATCG
 TCTTGCAACAACCCAGAATAGGTAGCAAGAGGAAATCTAAGAAAGATGCATATATAATCTTTGATACAGA
 GATAGAAAGTACTAGTCCGAAGTCTGAACAGGATTGAGGAATCTGGATGTTGAAGACGAGGAAGATGAT
 GAAGAGGTACCTGGGCGCAAGATTTGGTGGATTTCTCTCCAGTTTATCGATGTCTACATATATATTCTG
 TCCTGGGTGCCCGGAAACATTTGAGAATTACTACCGAAAACAGAGGCGAAAACAGGCTCGTTTGGTACT
 TCAACCTCCATCTAACATGCATGAACTTTAGATGGCTACAGGAAGTATTTAATCAAATGTAGGCTTT
 TTTGTGGTTGAAGTACATTTTACATAACAACCCAGGGCTTAGTAAATAGAGCCTACATTGATGAAGTGT
 GGGAAATGGCACTTTCAAAAACCATCGCAGCACTCCGTACCCACTCGTCTTACTGTTCTGATCCAAACCT
 TGTGTTAGATTTGAAGAACCTCATTGTGCTTTTGTGCTGACACACTTCAGGTGTATGGTTTCCCTGTAAAT
 CAGCTTTTGTGACATGCTGTTAGAAATCAGAGACCAATATAGTGAAGTCTGCTAAAGAAGTGGGCAGGTA
 TTTTCAGAAACATACTTGATTCTGACAACTACAGTCTATACCAGTAACAAGTGAAGAGATGTACAAAAA
 GGTGGTAGGACAATCCCATTTCAAGATATAGAACTGGAAAAGCAACCATTTCCAAAAAGTTTCTTTTC
 TCTGAATTTGTGCCAAAAGTTTACAACCAATTAAGAATTTATCTACGCTTGTCTGAAGTTTTCAGAAG
 ATCTTCATCTAAGCTCAACTGAAGTTGATGACATGATTCGAAATCAACAAACCTGTTGCTAACCAGGAC
 TCTGAGCAACTCTCTGCAGAATGTAATTAAGGAAGAATATTGGGCTTACTGAGCTTGTTCAGATTATT
 ATCAATACAACACATTTGGAGAAATCCTGTAAGTACTTGAAGAATTTATCACCAACATCACTAATGTGC
 TTCCAGAGACAGTTCACACTACCAAGCTCTATGGCACCACAACCTTTAAGGATGCTAGACATGCAGCTGA
 AGAAGAGATTTATACCACTTAACCCAGAAGATTGACCAGTTCCTACAGCTGGCAGACTATGACTGGATG
 ACCGGAGATTTGGGCAACAAAGCTAGTGATTACCTGGTAGACCTCATTGCCTTTCTCGTAGCACCTTTG
 CTGTATTACACACCTTCTGGAAGGTGGCCAGACAGCGTGTATGTCAGCTTGAAGCATTATAGCCAC
 ATCCTTGATGCACTTTTGTGGAAGCTGAAGTGCGGCAGCTCACCTGGGAGCATTACAGCAGTTCAAC
 TTGGACGTCAGAGAATGTGAACAGTTTGCCAGATCCGGCCCGTGCCTGGGTTCCAGGAGGACACGCTGC
 AGTTGGCCTTCATCGACTTGAGACAACCTTTGGATCTTTTCATCCAGTGGGATTGGTCAACCTACCTTGC
 TGACTATGGTCAGCCCACTGCAAGTACCTCCGGGTAACCCAGTGACTGCTCTGACCCTGCTTGAGAAG
 ATGAAGGATACTAGCCGCAAGAACAACATGTTTGACAGTTTCGGAAAAATGAGCGAGACAAGCAGAAAC
 TCATTGACACCGTGGCCAAGCAGCTCCGAGGACTCATCAGCAGCCACCACTCA

ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

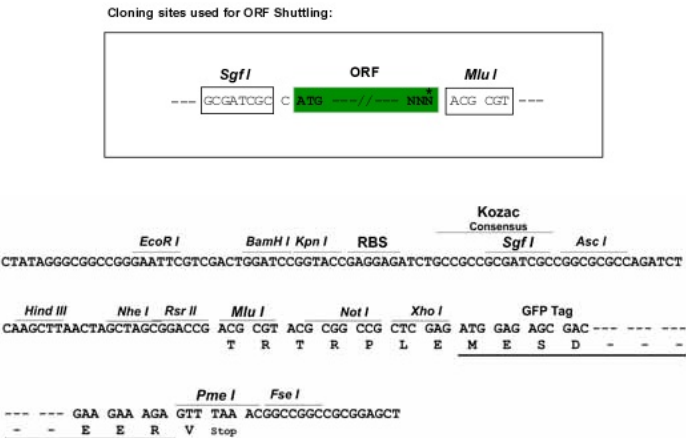
Protein Sequence: >RG224563 representing NM_015189
 Red=Cloning site Green=Tags(s)

MERGKMAEASLETA AEHERILREIESTDTACIGPTLRSVYDGEHGRFMEKLETRIRNHDREIEKMCNF
 HYQGFVDSITELLKVRGEAQKLKNQVTDNRKLQHEGKELVIAMEELKQCRLQQRNISATVDKLMCLPV
 LEMYSKLRDQMKTKRHYPALKTLEHLEHTYLPQVSHYRFCKVMVDNIPKLREEIKDVSMSDLKDFLESIR
 KHSKIGETAMKQAQQQRNLNIVLQQPRIGSKRKSKKDAYIIFDTEIESTSPKSEQDSGILDVEDEEDD
 EEVPGAQDLVDFSPVYRCLHIYSVLGARETFENYYRKQRRKQARLVLPSPSNMHETLDGYRKYFNQIVGF
 FVVEDHILHTTQGLVNRAYIDELWEMALSKTIAALRTHSSYCSDPNLVLDLKNLIVLFADTLQVYGFVN
 QLFDMLEIRDQYSETLLKKWAGIFRNILDSNYSPIPVTSEEMYKVVVGQFPFQDIELEKQFPKFPF
 SEFVPKVVNQIKEFIYACLKFSIDLHLSSTEVDMMIRKSTNLLLTRTLNSLQNVIKRKNIGLTELVQII
 INTTHLEKSKYLEEFITNITNVLPEVHTTKLYGTTTFKDARHAAEEIYTNLNQKIDQFLQADYDWM
 TGD LGNKASDYLVDLIAFLRSTFAVFTHLPGKVAQTACMSACKHLATSLMQLLLEAEVRQLTLGALQQFN
 LDVRECEQFARSGPVPGFQEDTLQLAFIDLRQLLDLFIQWDWSTYLADYGQPNCKYLRVNPVTALTLEK
 MKDTSRKNNMFAQFRKNERDKQKLIDTVAKQLRGLISSHHS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_015189
ORF Size:	2433 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_015189.3](#)

RefSeq Size: 2594 bp

RefSeq ORF: 2436 bp

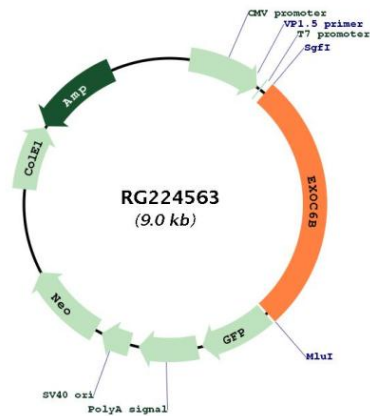
Locus ID: 23233

UniProt ID: [Q9Y2D4](#)

Cytogenetics: 2p13.2

Gene Summary: This gene encodes a protein which is a part of the evolutionarily conserved exocyst, a multimeric protein complex necessary for exocytosis, which in turn, is crucial for cell growth, polarity and migration. Disruption of this gene may be associated with phenotypes exhibiting multiple symptoms including intellectual disability and developmental delay (DD). [provided by RefSeq, Jun 2016]

Product images:



Circular map for RG224563